## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 22 September 2005 (22.09.2005)

PCI

## (10) International Publication Number WO 2005/088107 All

(51) International Patent Classification7: 35/02, 41/34, 41/24

F02D 41/00.

(21) International Application Number:

PCT/F12005/050081

- (22) International Filing Date: 15 March 2005 (15.03.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 20045075

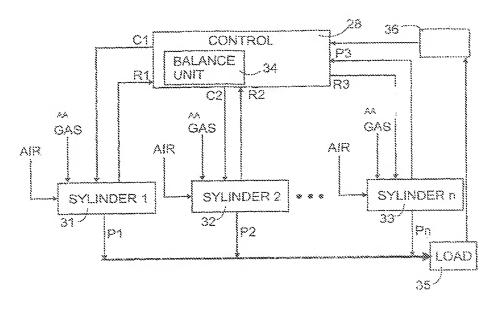
15 March 2004 (15.03.2004)

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, ÇA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EU, EE, EG, BS, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE. KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH. PL. PT. RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ. TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA. ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW. GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM. ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EB, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BE, BJ, CF, CG, CÉ, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) THE: ADAPTIVE LOAD BALANCING SYSTEM



(57) Abstract: The present invention relates to an internal combustion engine, which has a plurality of cylinders for providing the necessary energy used for the work performed by the engine. According to the invention, cylinder specific knock momitoring is used in order to distribute the load automatically among the cylinders of the engine. When an individual cylinder knocks continuously, the antiknock control system of the cylinder aims at reducing permanently the quantity of fuel supplied to the cylinder. The fall in the total output caused by the reduction of fuel supply is compensated by increasing the fuel supply to the all cylinders. The new operating values of the engine provided by the adjustment are stored in the memory and used also as new reference values.

## WO 2005/088107 A1



## Published:

- --- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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